IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Irwin J. Griffith et al.

Serial No.: 08/737,904

Filed: November 20, 1996

For: T CELL EPITOPES OF RYEGRASS POLLEN

ALLERGEN

Attorney Docket No.: IMI-040CP3 (075.1US)

BOX SEQUENCE

Assistant Commissioner for Patents

Washington, D.C. 20231

Certificate of First Class Mailing (37 CFR 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: BOX SEQUENCE Assistant Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

Date of Signature and of Mail Deposit

No. 41.710

Group Art Unit: 1644

Examiner: R. Schwadron

Attorney for Applicant

TRANSMITTAL LETTER FOR DISKETTE OF SEQUENCE LISTING

Dear Sir:

In response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures, and the Examiner's Communication dated November 17, 1999, we enclose a diskette which contains a computer readable form of the Sequence Listing for the above-identified application.

Substitute pages 47 - 67 are submitted herewith. The material on the enclosed diskette is identical in substance to the enclosed sequence listing. The computer readable form of the Sequence Listing contained on the enclosed diskette is understood to comply with the requirements of §§ 1.821-1.825. No new matter has been added.

Respectfully submitted,

Registration No. 41,710

Attorney for Applicants

Dated: December 15, 1999

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Irwin J. Griffith et

Serial No.: 08/737,904

Filed: November 20, 1996

For: T CELL EPITOPES OF RYEGRASS POLLEN

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Reg. No. 41.710

Attorney for Applicant

RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Dear Sir:

Responsive to the "Notice to Comply with Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures" and the Examiner's Communication, dated November 17, 1999 (a copy of both of which is attached herewith), Applicants have amended the Sequence Listing submitted on September 24, 1999 to contain the amino acid sequence shown in Figure 16, to comply with the new sequence rules, and to provide a copy of the sequence listing in computer readable form.

Group Art Unit: 1644

A paper copy of the corrected Sequence Listing and a computer readable form of the sequence listing (diskette), which is identical in substance to the paper copy of the Sequence Listing, in accordance with 37 C.F.R. §1.821(c) and (e), are also submitted herewith.

No new matter has been added to the application. Accordingly it is respectfully requested that the above amendments be entered.

Respectfully submitted,

Jeanne M. DiGiorgio

Attorney for Applicants

LAHIVE & COCKFIELD, LLP 28 State Street Boston, MA 02109

Dated: December 15, 1999



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SENIOR COUNSEL W. HUGO LIEPMANN JAMES E. COCKFIELD

AF COUNSEL MIAH LYNCH Ay A. SCOFIELD, JR.

PETER C. LAURO *
1900 ANN HORAN SMITH** ated in NY only

December 15, 1999

NO, III

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MEGAN E. WILLIAMS, Ph.D.

REZA MOLLAAGHABABA, Ph.D

PATENT AGEN

DAVID J. RIKKERS

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CYNTHIA M. SOROOS PETER W. DINI, Ph.D. JENNIFER L. ELLIOTT, Ph.D. LAUREN C. FOSTER, D.Sc. **EUIHOON LEE** ERICK B. BERGLUND, Ph.D.

BOX SEQUENCE Assistant Commissioner for Patents Washington, D.C. 20231

RECEIVED

Re:

U. S. Patent Application Serial No. 08/737,904

TECH CENTER 1600/2900 Title: T CELL EPITOPES OF RYEGRASS POLLEN ALLERGEN

Applicant(s): Irwin J. Griffith, et al.

Filed: November 20, 1996

Examiner: R. Schwadron; Group Art Unit: 1644 IMI-040CP3 (075.1 U.S.) Attorney Docket No.

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

Preliminary Amendment; 1.

- Response to "Notice to Comply with Requirements for Patent Application 2. Containing Nucleotide and/or Amino Acid Sequence Disclosures";
- A copy of "Notice to Comply with Requirements for Patent Application 3. Containing Nucleotide and/or Amino Acid Sequence Disclosures";
- Substitute pages 47-67 containing the Sequence Listing; 4.
- Diskette containing the Sequence Listing; 5.
- Transmittal letter for Diskette of Sequence Listing; and 6.
- Return receipt postcard. 7.

Please charge any necessary fees to our Deposit Account No. 12-0080. The undersigned requests any extensions of time necessary to respond. A duplicate of this sheet is enclosed.

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on:

December 15, 1999

Date

Jeanne M. DiGiorgio, Reg. N

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

Jeanne M. DiGiorgio

Reg. No. 41,710



UNITED STES DEPARTMENT OF COMMERCE
Patent and Trademark Office
COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
JEMAL NO.			



EXA	MINER
ART UNIT	PAPER NUMBER
DATE MAILED:	

Please find below a communication from the EXAMINER in charge of this application

Commissioner of Patents

The communication filed on 9/28/99 is not fully responsive to the communication mailed 8/24/99 for the reason(s) set forth on the attached Notice to Comply With the Sequence Rules or CRF Diskette Problem Report.

Since the response appears to be <u>bona fide</u>, but through an apparent oversight or inadvertence failed to provide a complete response, applicant is given **ONE** (1) **MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner Ron Schwadron, Ph.D., Art Unit 1644, whose telephone number is 703-308-4680.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

RONALD B. SCHWADRON PRIMARY EXAMINER GROUP 1800 \ 600

wadron Dh D

Ron Schwadron, Ph.D. Art Unit 1644



RAW SEQUENCE LISTING PATENT APPLICATION US/08/737,904C DATE: 10/15/1999

TIME: 11:21:27

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Set: H737904C.RAW

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<140> US/08/737,904C

<141> 1996-11-20

1

<150> 08/106,016

<160 60 61 (su felow) 7 E-->

<170> PatentIn Ver. 2.0

Does Not Comply Corrected Diskette Needed

ERRORED SEQUENCES FOLLOW

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10	<210>	61															
11	<211>	303															
12	<212>	PRT															
13	<213>	Loli	ium p	erer	ine												
14	<400>	61										_					a
15	•	Met	Ala	Val	Gln	Gln	Tyr	Thr	Val	Ala		Phe	Leu	Ala	Val	Ala	ser
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27		Ala	Phe	Leu	Gly	Asp	Leu	Pro		Asn	Tyr	Ala	Asp	Val	Asn	ser	Arg
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29		Ala	Gln	Leu	Thr	Ser	Lys		Asp	Ala	Ala	Tyr	Lys	Leu	Ala	Tyr	Asp
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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/737,904C

DATE: 10/15/1999 TIME: 11:21:27

Input Set: H737904C.RAW

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42	185					190					195					200
43	Tvr	Lys	Phe	Ile	Pro	Thr	Leu	Glu	Ala	Ala	Val	Lys	Gln	Ala	Tyr	Ата
44					205					210					213	
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Please review the

Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



VERIFICATION SUMMARY
PATENT APPLICATION US/08 17,904C

DATE: 10/15/1999 TIME: 11:21:27

Input Set: H737904C.RAW

Original Text Line ? Error/Warning 8 E # of Seq. 60 Not Equal Actual 61 <160> 60 54 E Invalid/Missing Amino Acid Numbering

Application No.: 08737904 T APPLICATIONS CONTAINING NOTICE TO COMPLY WITH REQUIREMENTS FOR PA NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

ng reason(s).
1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
7. Other:
Applicant Must Provide:
An <u>initial</u> or substitute computer readable form (CRF) copy of the "Sequence Listing"
An <u>initial</u> or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).
For guestions regarding compliance to these requirements, please contact:

ns regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For Patentin software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE